

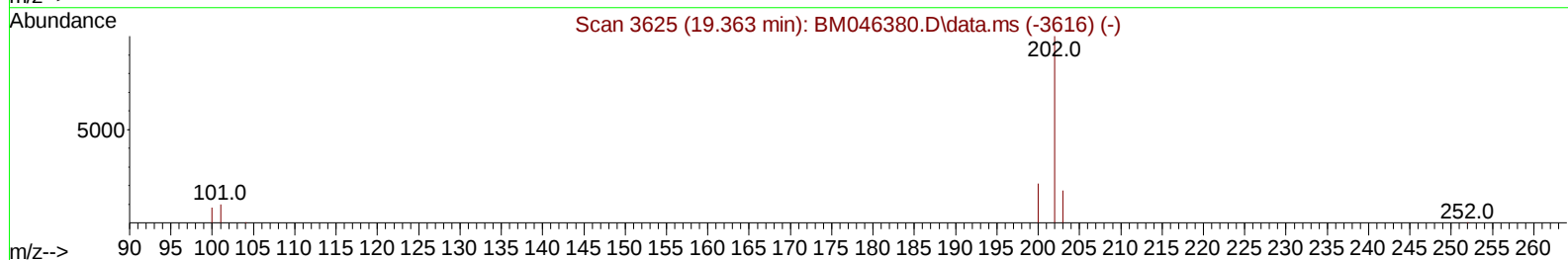
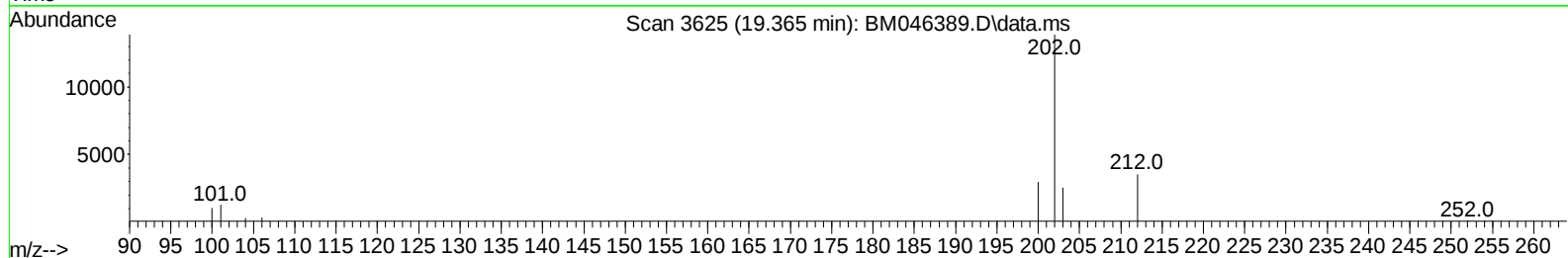
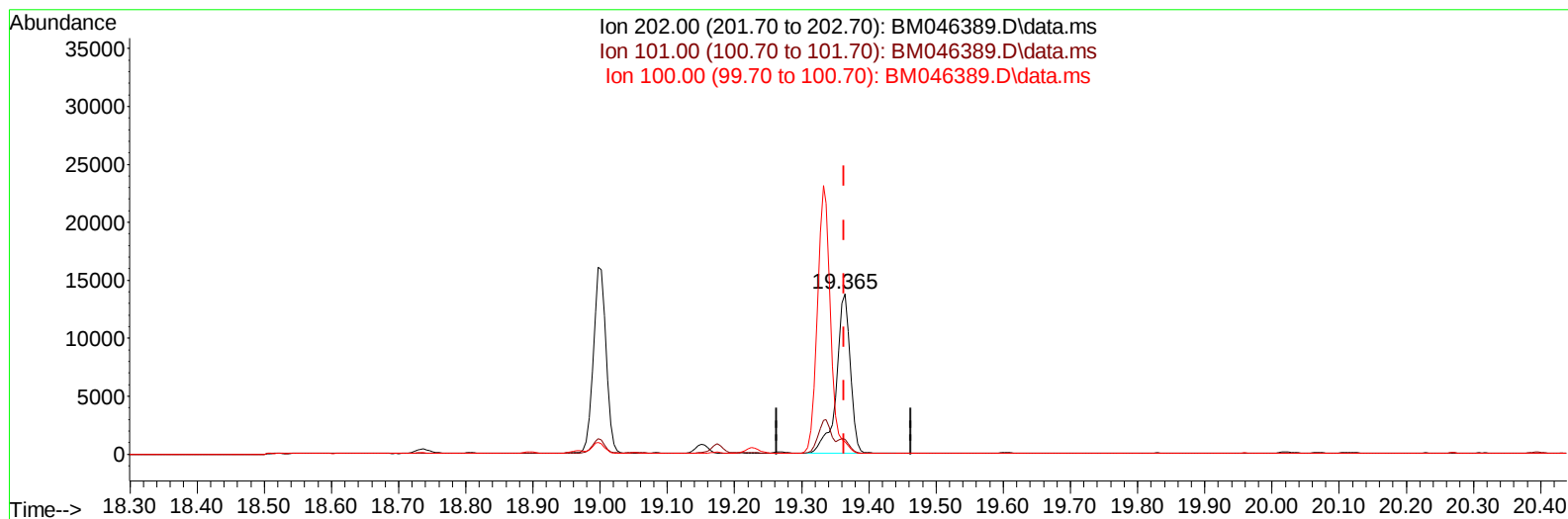
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(20) Pyrene

19.365min (+ 0.001) 0.24 ng/u1

response 19660

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 10.30  | 9.14   |
| 100.00 | 8.60   | 7.65   |
| 0.00   | 0.00   | 0.00   |

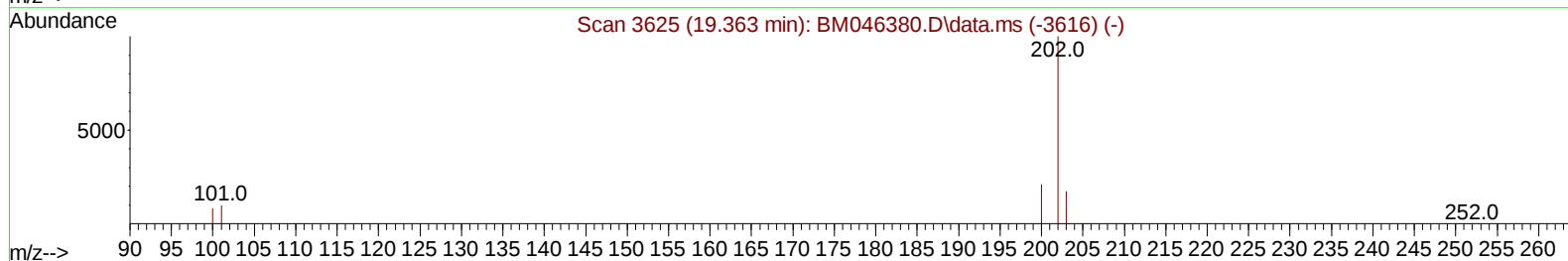
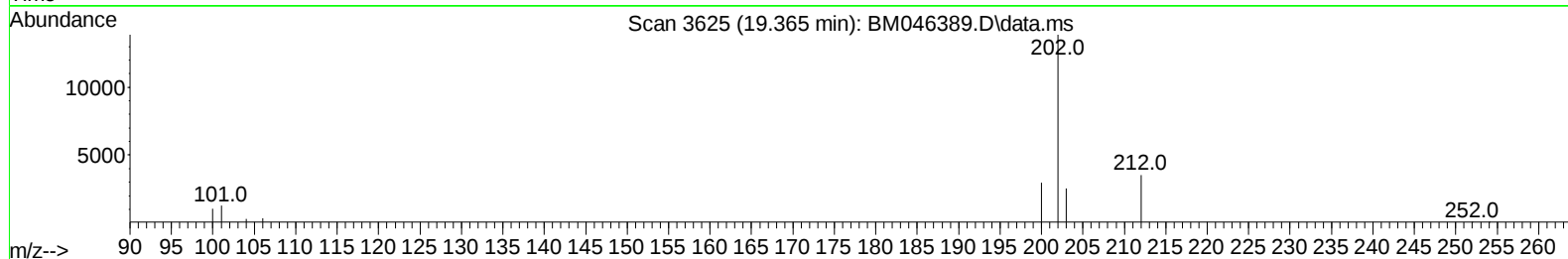
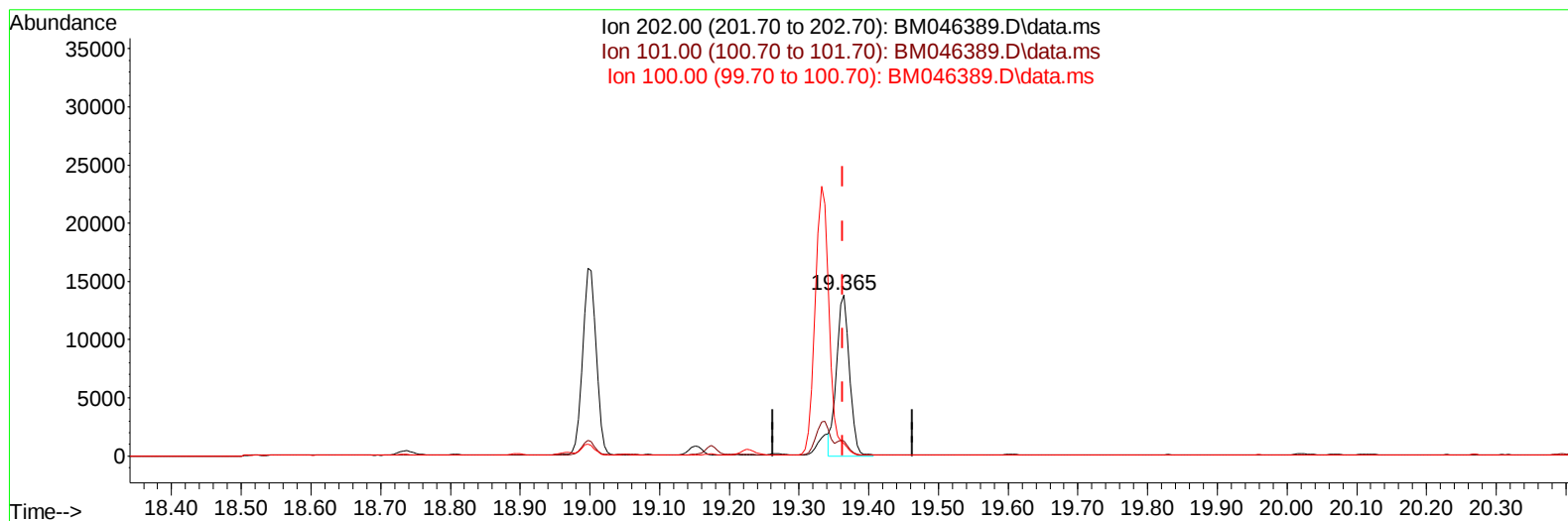
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(20) Pyrene

19.365min (+ 0.001) 0.22 ng/ul m

response 18010

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 10.30  | 9.14   |
| 100.00 | 8.60   | 7.65   |
| 0.00   | 0.00   | 0.00   |

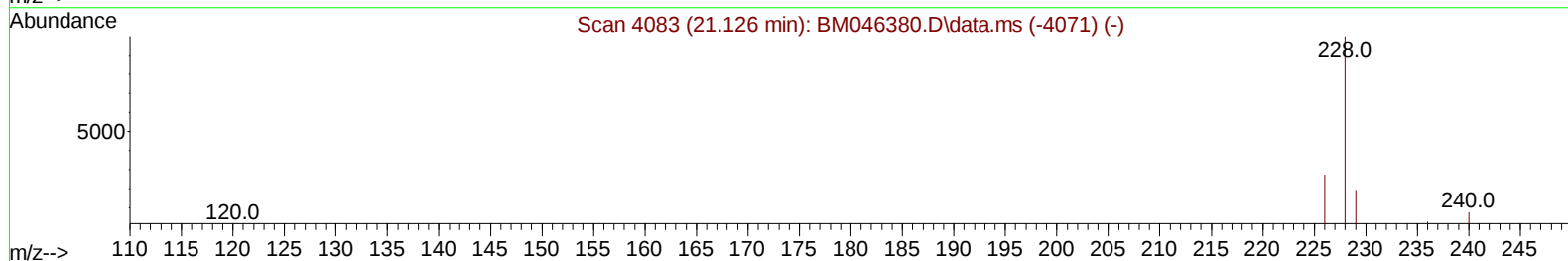
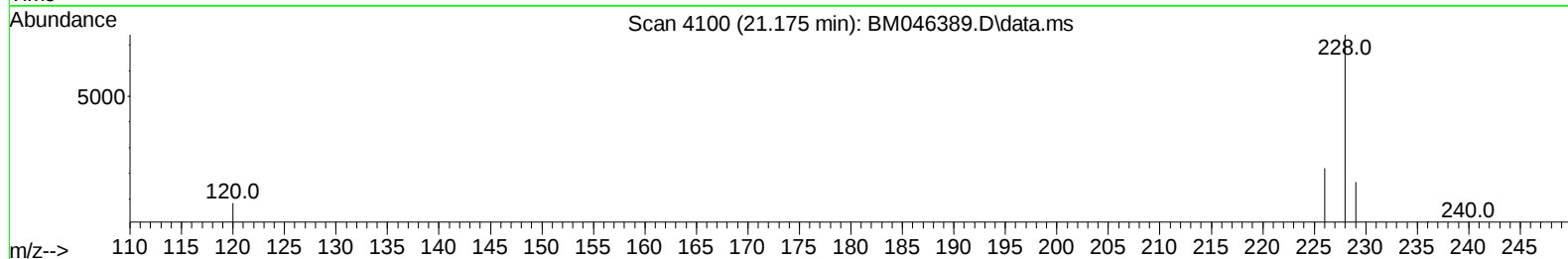
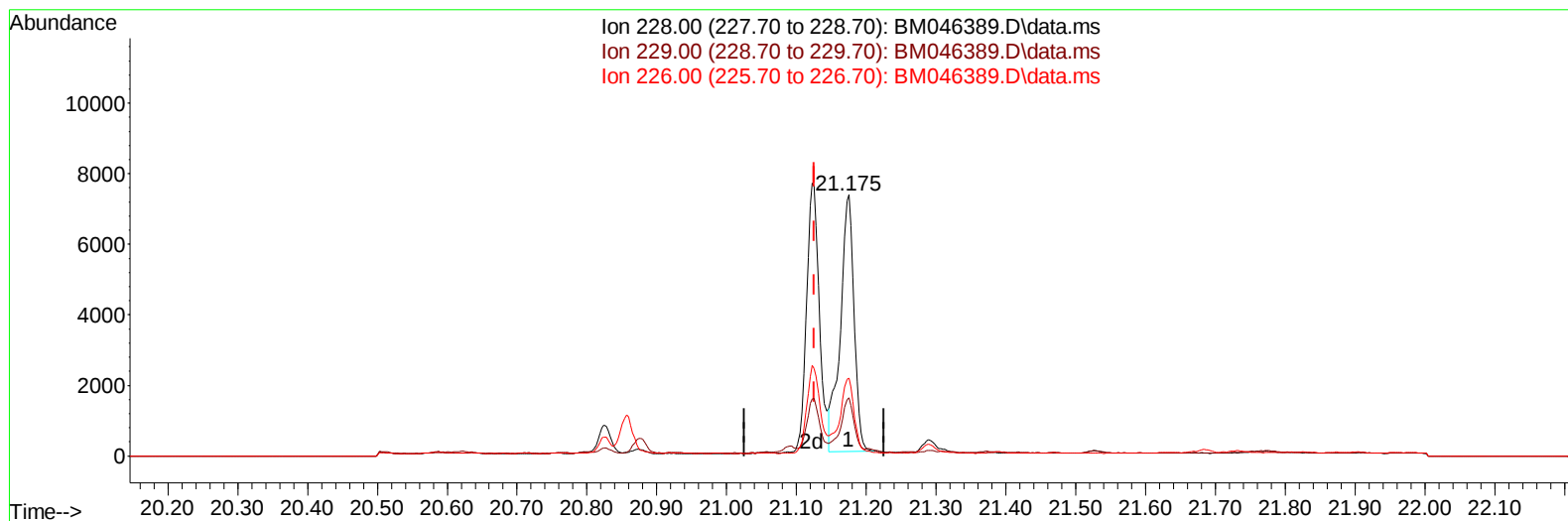
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(21) Benzo(a)anthracene

21.175min (+ 0.049) 0.14 ng/u1

response 9988

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.70  | 22.26  |
| 226.00 | 27.50  | 29.86  |
| 0.00   | 0.00   | 0.00   |

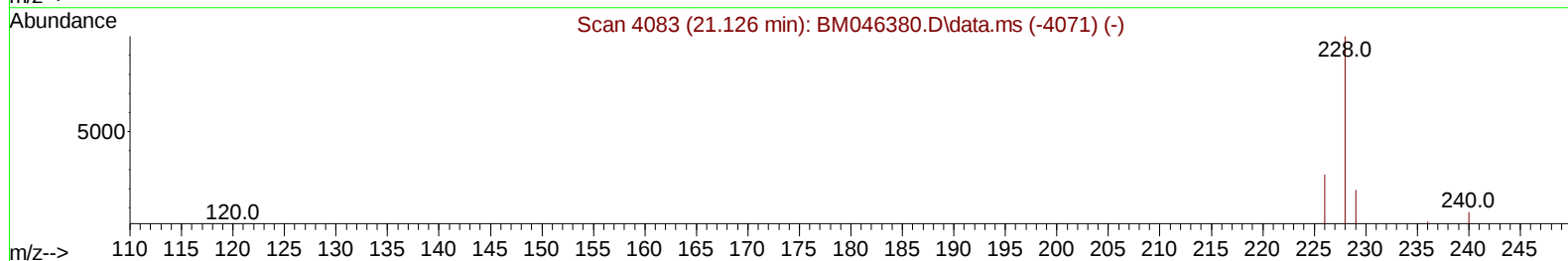
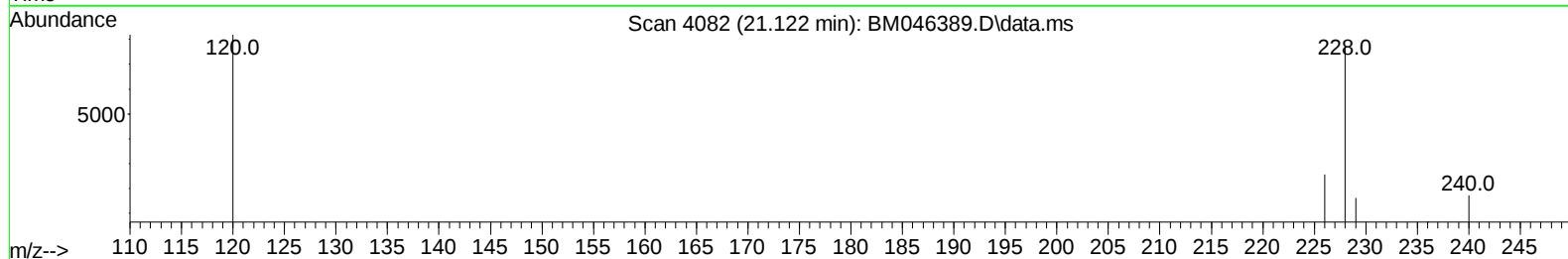
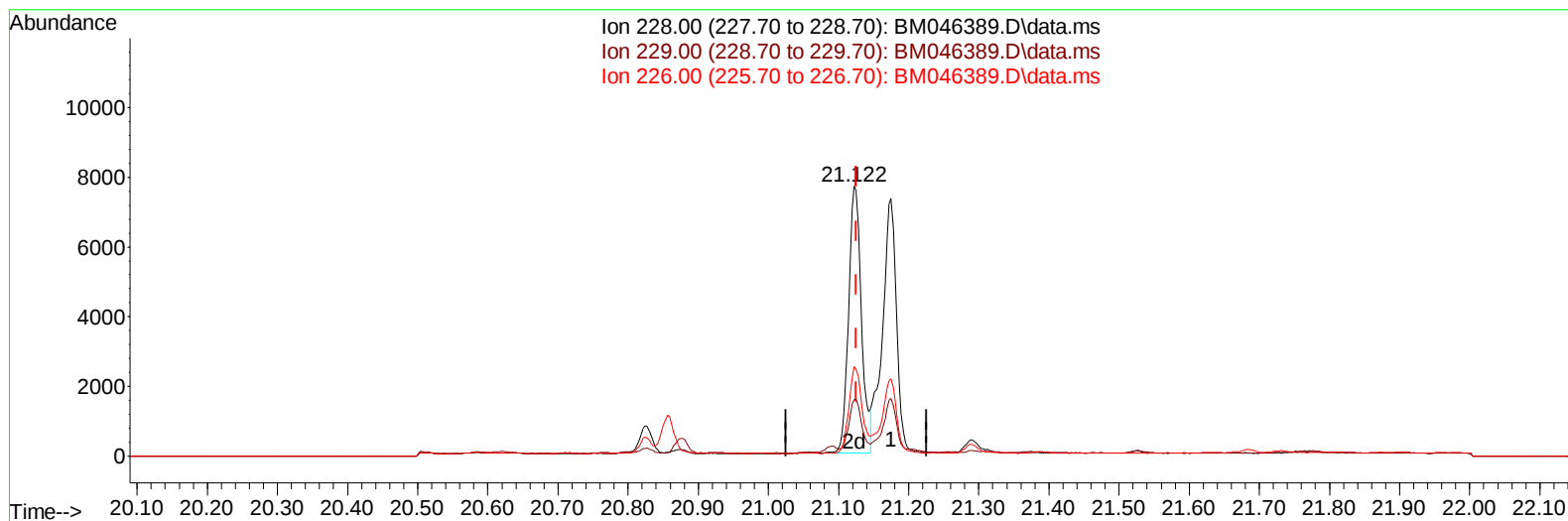
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(21) Benzo(a)anthracene

21.122min (-0.003) 0.14 ng/u1 m

response 9837

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.70  | 20.81  |
| 226.00 | 27.50  | 33.14# |
| 0.00   | 0.00   | 0.00   |

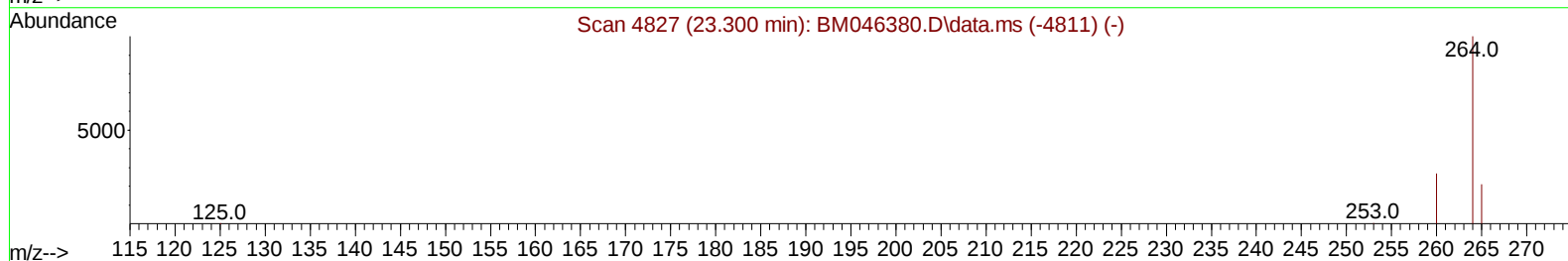
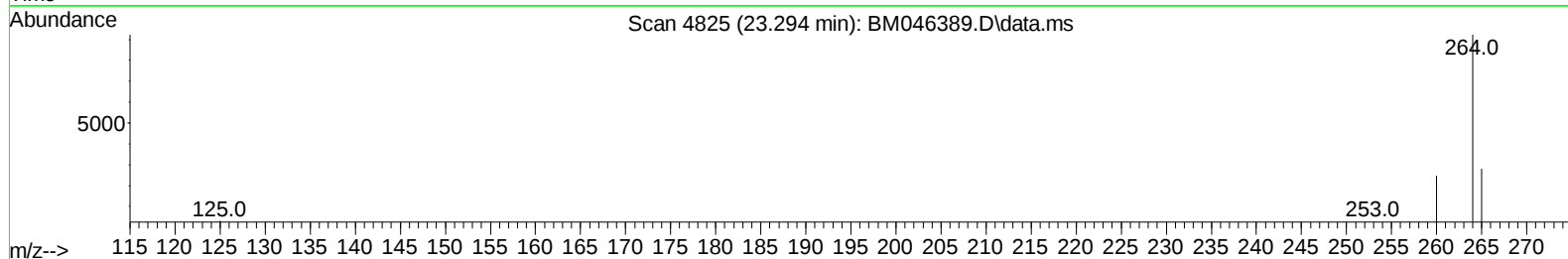
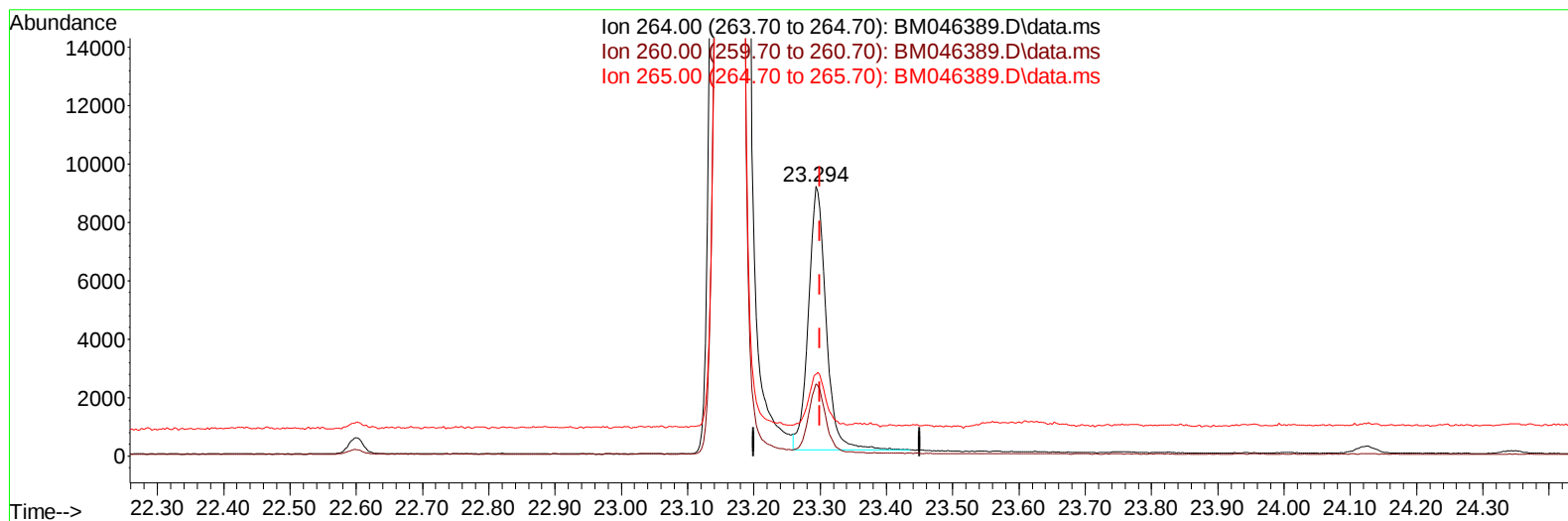
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(23) Perylene-d12 (I)

23.294min (-0.006) 0.40 ng/u1

response 16759

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 27.40  | 26.74  |
| 265.00 | 29.30  | 30.28  |
| 0.00   | 0.00   | 0.00   |

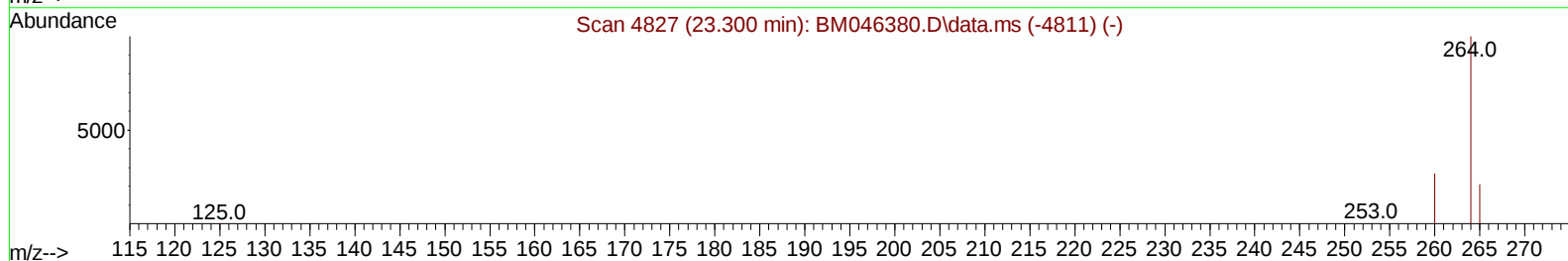
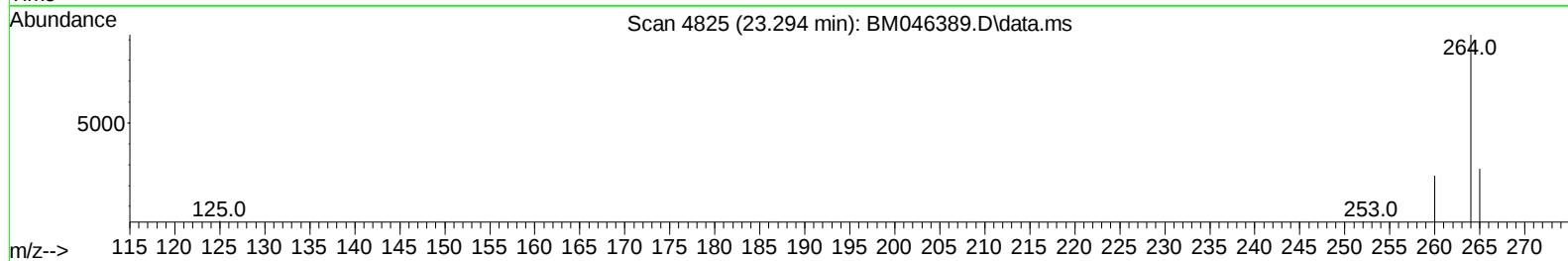
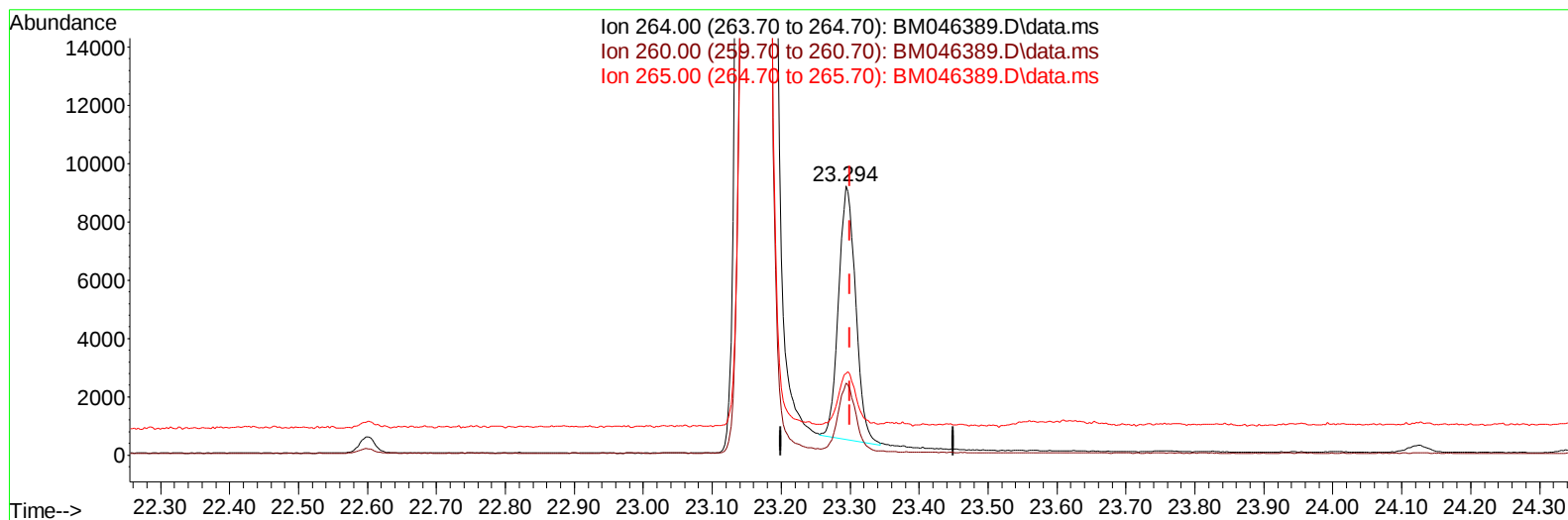
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(23) Perylene-d12 (I)

23.294min (-0.006) 0.40 ng/ul m

response 14971

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 27.40  | 26.74  |
| 265.00 | 29.30  | 30.28  |
| 0.00   | 0.00   | 0.00   |

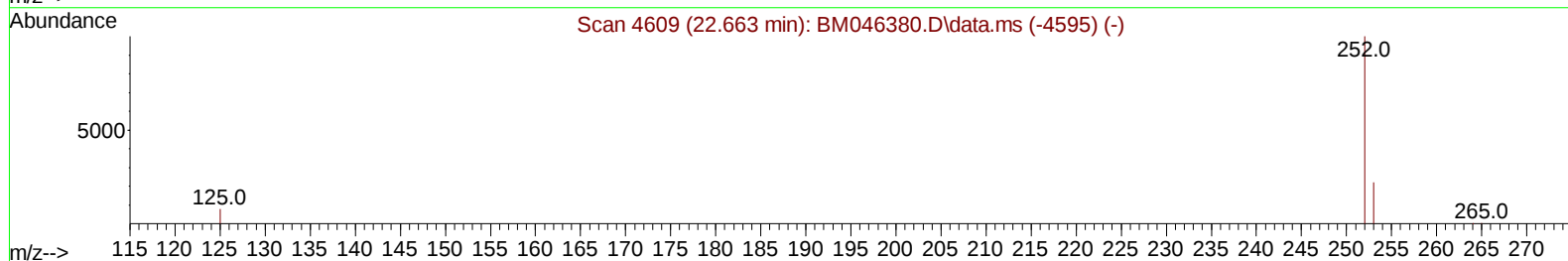
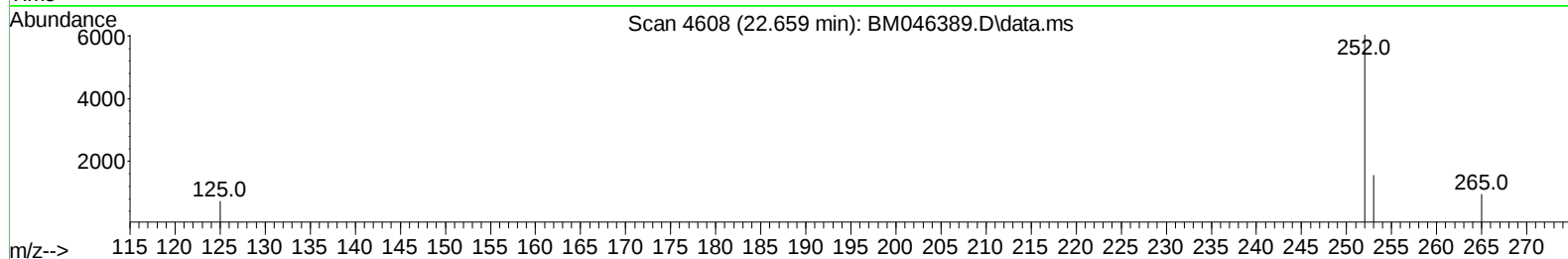
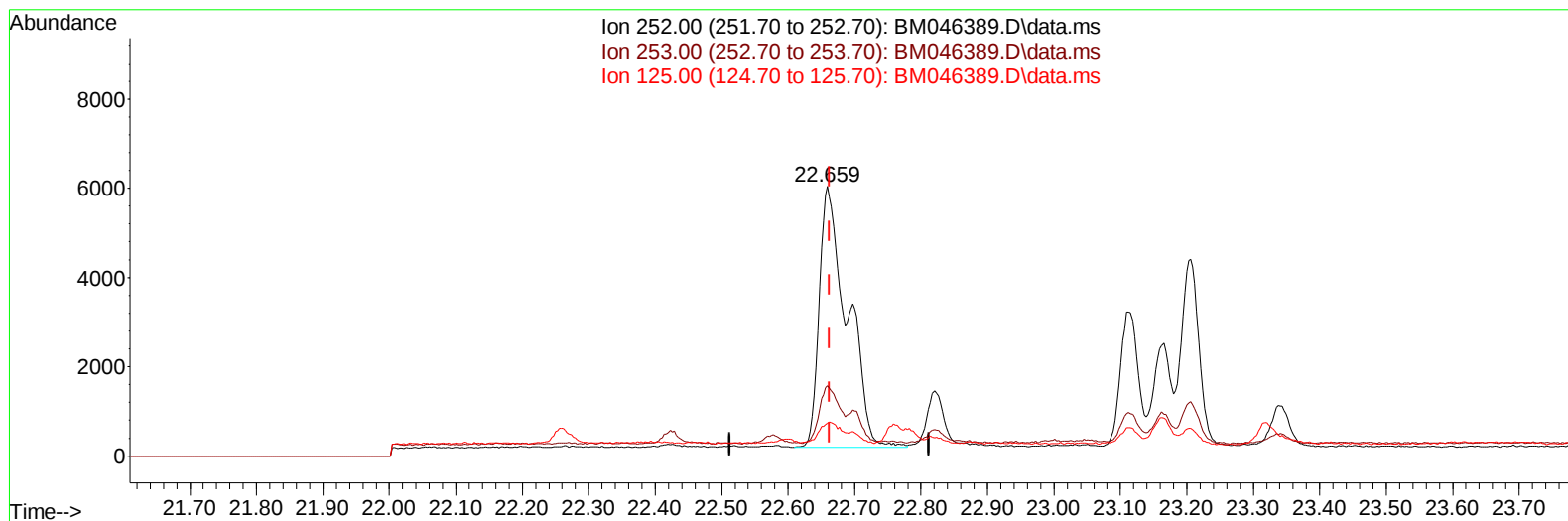
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(24) Benzo(b)fluoranthene

22.659min (-0.003) 0.27 ng/u1

response 17103

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.50  | 26.01  |
| 125.00 | 9.20   | 12.19  |
| 0.00   | 0.00   | 0.00   |

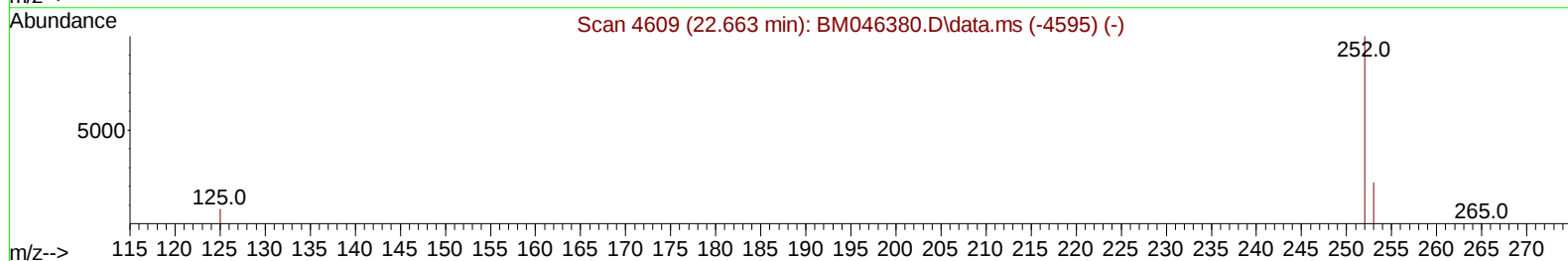
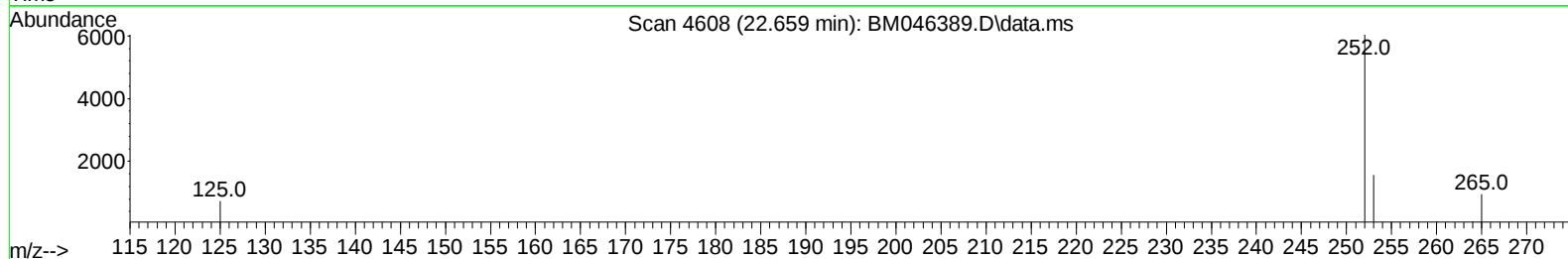
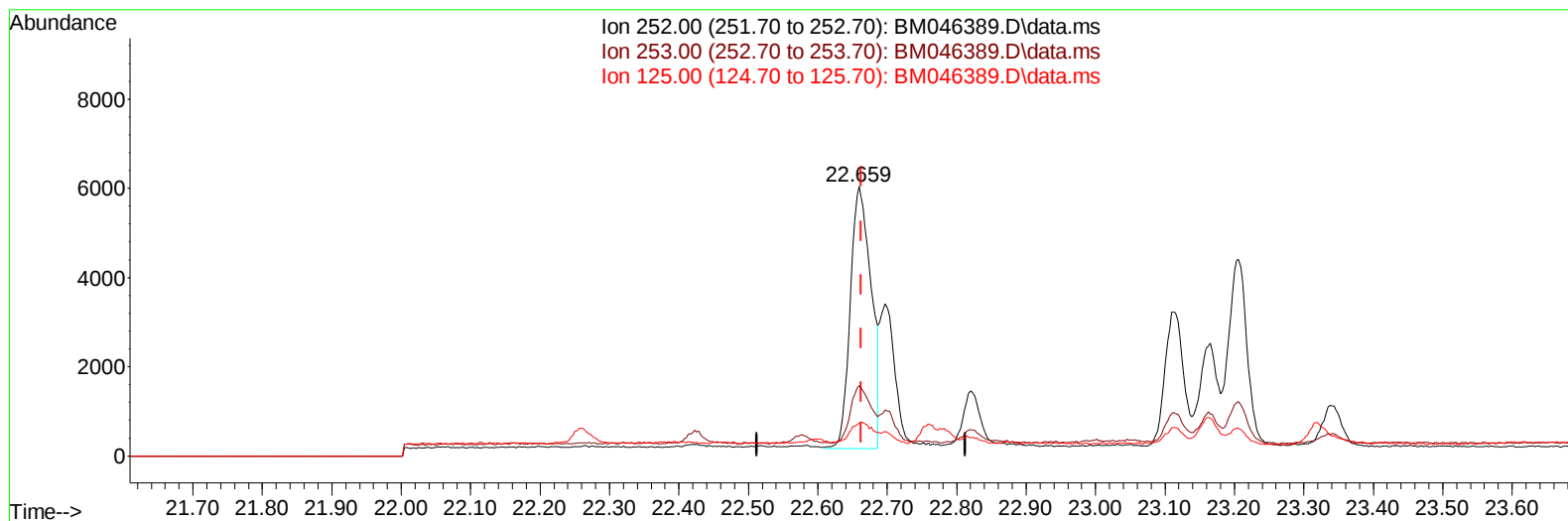
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(24) Benzo(b)fluoranthene

22.659min (-0.003) 0.19 ng/ul m

response 12187

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.50  | 26.01  |
| 125.00 | 9.20   | 12.19  |
| 0.00   | 0.00   | 0.00   |

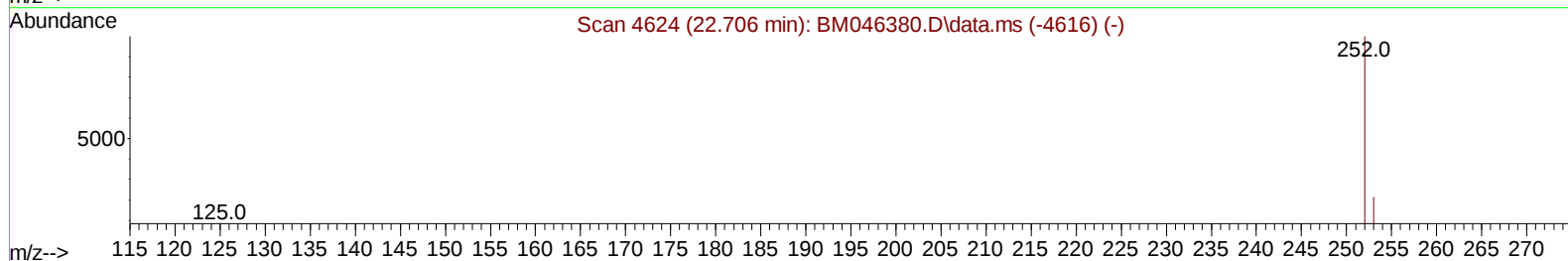
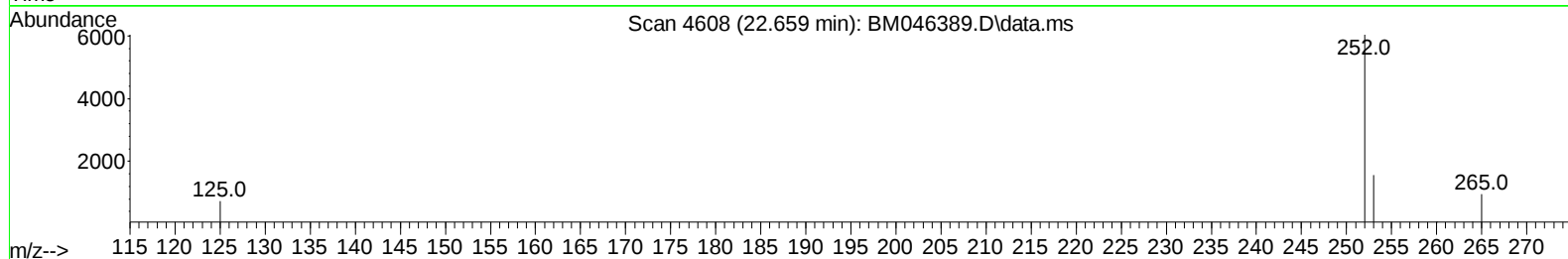
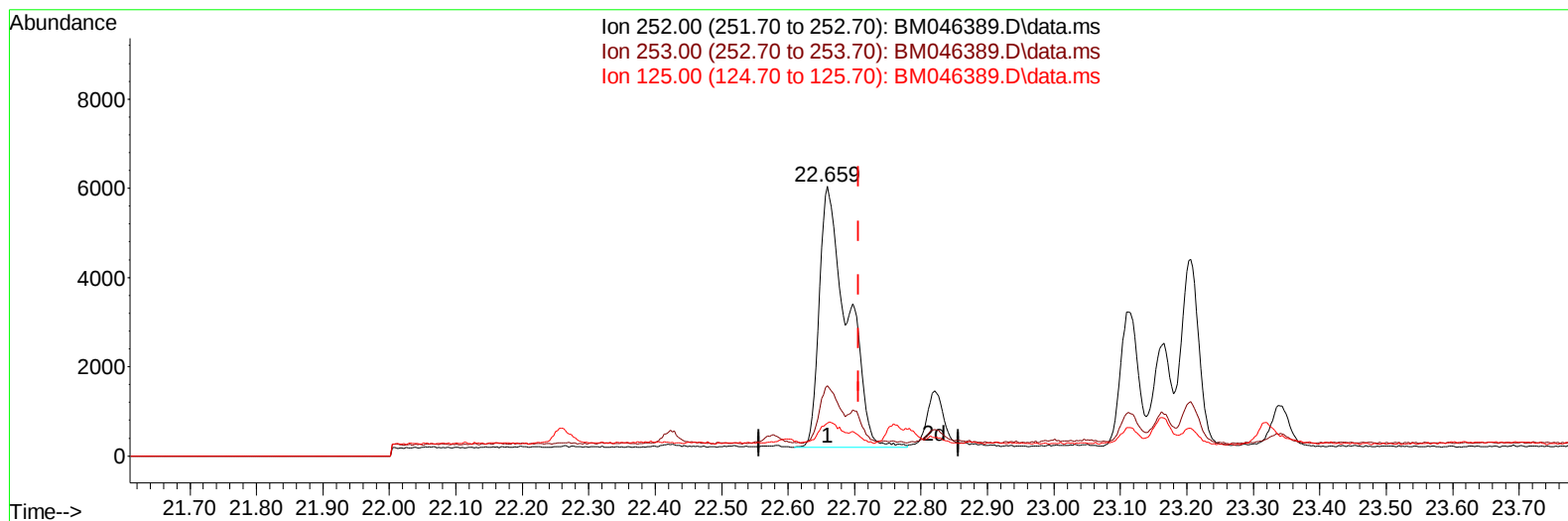
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(25) Benzo(k)fluoranthene

22.659min (-0.047) 0.27 ng/u1

response 17103

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.00  | 26.01  |
| 125.00 | 9.40   | 12.19# |
| 0.00   | 0.00   | 0.00   |

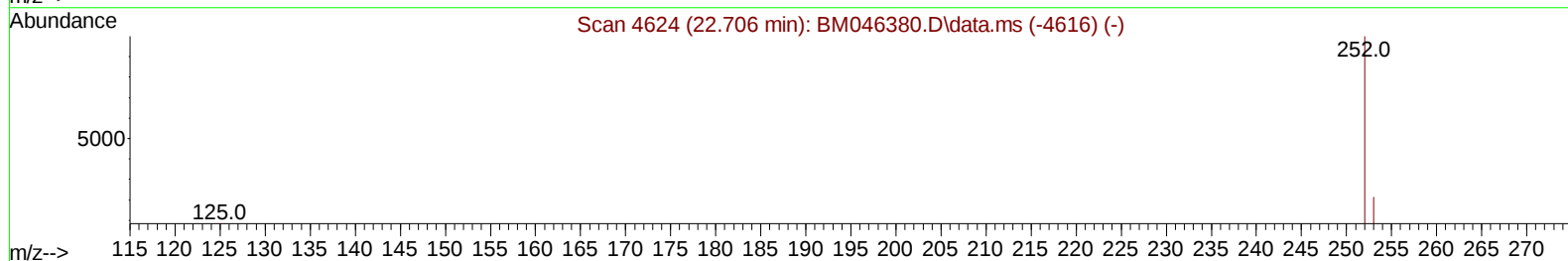
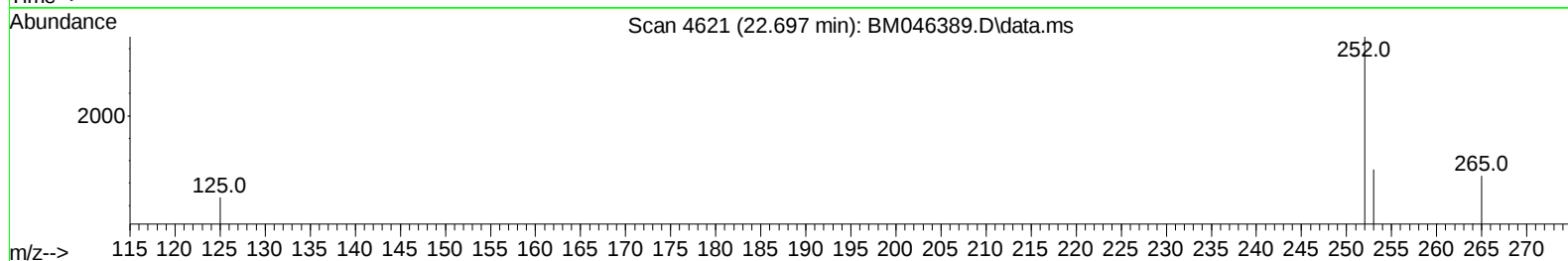
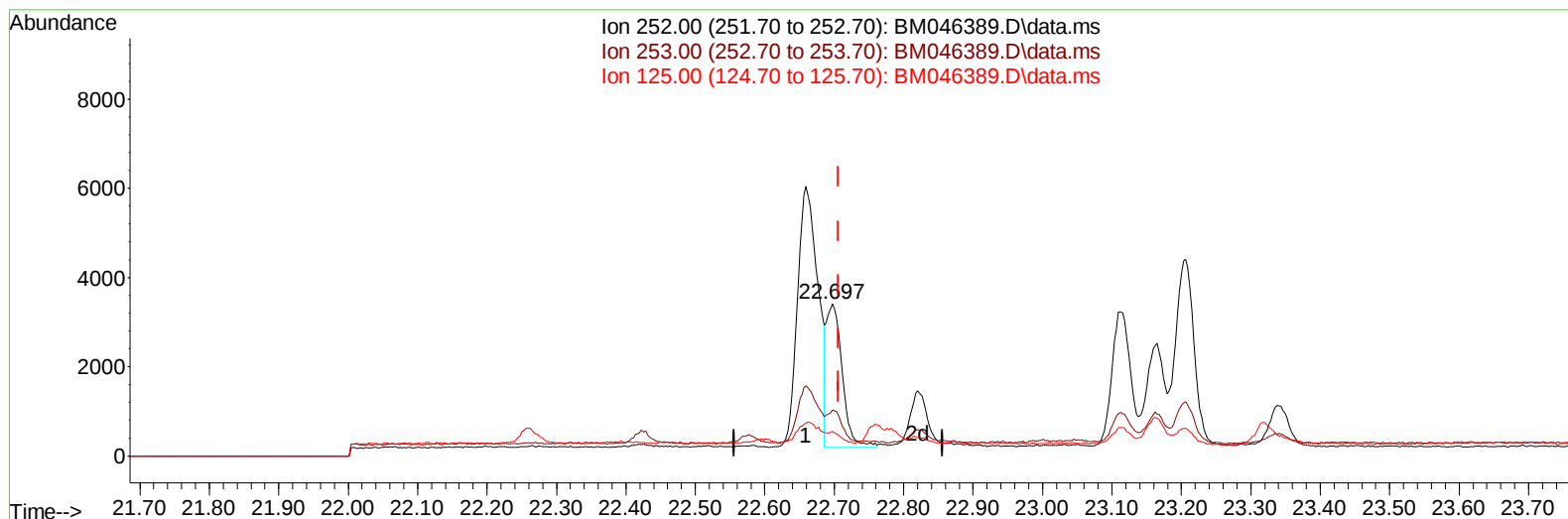
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BM046389.D\data.ms

(25) Benzo(k)fluoranthene

22.697min (-0.009) 0.08 ng/u1 m

response 5006

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.00  | 30.42# |
| 125.00 | 9.40   | 16.03# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
 Data File : BM046389.D  
 Acq On : 05 Jul 2024 19:35  
 Operator : MA/JU  
 Sample : P3010-22  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CG4

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2024  
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 05 23:11:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 05 16:01:25 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.539  | 152 |     | 5981     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.299 | 136 |     | 17346    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.178 | 164 |     | 10763    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.930 | 188 |     | 23227    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.140 | 240 |     | 16011    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.294 | 264 |     | 14971m   | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.130  | 96  |     | 18438    | 2.985 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.904 | 152 |     | 5288     | 0.206 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.970 | 212 |     | 11685    | 0.208 | ng/ul  | 0.00     |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       | Qvalue |          |
| 10) Acenaphthylene          | 13.896 | 152 |     | 1377     | 0.025 | ng/ul# | 85       |
| 15) Phenanthrene            | 16.972 | 178 |     | 6933     | 0.100 | ng/ul  | 100      |
| 16) Anthracene              | 17.065 | 178 |     | 1527     | 0.023 | ng/ul# | 87       |
| 19) Fluoranthene            | 18.997 | 202 |     | 21704    | 0.268 | ng/ul  | 99       |
| 20) Pyrene                  | 19.365 | 202 |     | 18010m   | 0.216 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.122 | 228 |     | 9837m    | 0.138 | ng/ul  |          |
| 22) Chrysene                | 21.175 | 228 |     | 10111    | 0.142 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.659 | 252 |     | 12187m   | 0.191 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.697 | 252 |     | 5006m    | 0.078 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.206 | 252 |     | 7475     | 0.149 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.437 | 276 |     | 5079     | 0.075 | ng/ul  | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.457 | 278 |     | 1303     | 0.025 | ng/ul# | 42       |
| 29) Benzo(g,h,i)perylene    | 26.087 | 276 |     | 4873     | 0.090 | ng/ul# | 92       |
| -----                       |        |     |     |          |       |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046389.D  
Acq On : 05 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3010-22  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG4

## Manual IntegrationsAPPROVED

Quant Time: Jul 05 23:11:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

